

CONSTRUCTED LINER DETERMINATION REPORT

FOR

ASH BASIN NO. 1

**MONTOUR STEAM ELECTRIC STATION
DERRY TOWNSHIP, MONTOUR COUNTY, PENNSYLVANIA**

Prepared for:

MONTOUR LLC

September 29, 2016

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1.0 PURPOSE

The purpose of this certification is to document whether or not the Montour Steam Electric Station (SES) Ash Basin 1, which is an existing CCR surface Impoundment, was constructed with a liner that meets the requirements of Sections §257.71(a)(1)(i),(ii), or (iii) of the United States Environmental Protection Agency (USEPA) 40 CFR Parts §257 and §261 Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals From Electric Utilities; Final Rule, dated April 17, 2015 (CCR Rule). An existing CCR surface impoundment is considered to be an existing unlined CCR surface impoundment if it is determined that the unit was not constructed per the requirements of 40 CFR Sections §257.71(a)(1)(i),(ii), or (iii).

40 CFR Sections §257.71(a)(1)(i),(ii), or (iii) states that a surface impoundment is considered lined if it was constructed with (i) A liner consisting of a minimum of two feet of compacted soil with a hydraulic conductivity of no more than 1×10^{-7} cm/sec; (ii) a composite liner that meets the requirements of §257.70(b); or (iii) an alternative composite liner that meets the requirements of §257.70(c).

2.0 SITE DESCRIPTION

Montour, LLC (Montour), which is a subsidiary of Talen Generation, LLC, operates a coal combustion residuals (CCR) management facility, known as Ash Basin 1, at their SES near Washingtonville, Pennsylvania. Basin 1 is regulated under the Pennsylvania Residual Waste Regulations of Title 25 PA Code, Chapters 287 and 289. Basin 1 is permitted as a PADEP Class II Residual Waste Disposal Impoundment. Basin 1 is operated under Permit No. 301315, which expires in April 2018. Basin 1 is also regulated by the PADEP Bureau of Waterways Engineering Division of Dam Safety under Permit No. 47-009 and under the National Pollutant Discharge Elimination System (NPDES) Permit No. PA0008443.

Basin 1 went into service in 1971 and was developed by excavating site soils to construct an embankment dike around the excavation. The top of the dike is set at Elevation 564 (NGVD 1929). The perimeter of Basin 1 is approximately 11,000 feet in length and up to approximately 40 feet high. The dike ties into natural grade along the eastern side of the basin.

3.0 DOCUMENT REVIEW

Talen reviewed documents located within the History of Construction for Montour SES Ash Basin 1, which was prepared by Geosyntec Consultants per requirements of 40 CFR §257.7(c), and determined that the existing CCR surface impoundment was not constructed with a liner that meets the requirements of 40 CFR Sections §257.71(a)(1)(i),(ii), or (iii); therefore, Montour SES Ash Basin 1 shall be considered an existing unlined CCR surface impoundment.

4.0 CERTIFICATION

The following is provided in accordance with Section 257.71(b) of the CCR Rule.

By affixing my seal to this, I do hereby certify to the best of my knowledge, information, and belief that the information contained in this report is true and correct. I further certify I am licensed to practice in the Commonwealth of Pennsylvania and that it is within my professional expertise to verify the correctness of the information. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Benjamin R. Wilburn, P.E.

P.E. License Number: PE080739

Signature: Benjamin R. Wilburn

Date: 9/29/2016



5.0 REFERENCES

1. Geosyntec Consultants. History of Construction Report.